

What Is Claimed Is:

1. A method for producing (meth)acrylate syrup by bulk polymerization, the method comprising initiating polymerization using the following components at a temperature of 50-80 °C:

- (a) 100 parts by weight of a (meth)acrylate ester monomer;
- (b) 0.005-5 parts by weight of a chain transfer agent;
- (c) 0.0001-1.0 part by weight of a diacyl peroxide initiator; and
- (d) 0.5-3.0 moles, based on 1 mole of the component (c), of a tertiary amine

cocatalyst.

2. The method of Claim 1, wherein the diacyl peroxide initiator is at least one selected from the group consisting of di-tert-butyl peroxide, dilauroyl peroxide, dibenzoyl peroxide, m-toluyyl benzoyl peroxide, di(3,5,5-trimethylhexanoyl) peroxide, didecanoyl peroxide, and distearyl peroxide.

3. The method of Claim 1, wherein the tertiary amine cocatalyst is at least one aromatic tertiary amine compound selected from the group consisting of N,N'-dimethyl aniline, N, N'-dimethyl-p-toluidine, N,N'-dihydroxyethyl-p-toluidine, N,N'-dihydroxypropyl-p-toluidine, 4-dimethylamino)phenethyl alcohol, and 4-(dimethylamino)phenyl alcohol.

4. The method of Claim 1, wherein the reaction system reaches a peak exothermic temperature of 100-160 °C within the initiation of the polymerization.

5. The method of Claim 1, wherein the syrup is a partially polymerized (meth)acrylate syrup with a conversion rate of 10-70%.